THE AERONAUTICAL JOURNAL

OF THE ROYAL AERONAUTICAL SOCIETY

Volume CVI

January-December 2002

Subject Index

ACOUSTICS

Active control of fan noise from high-bypass ratio aeroengines: experimental results. L. Enghardt, U. Tapken, W. Neise, P. Schimming, R. Maier and J. Zillmann, pp 501-506.

Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.

Hearing loss on the flight deck — origin and remedy. M. Bagshaw and M.C. Lower, pp 277-289.

AERODYNAMICS

A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice. M. Khalid, F. Zhang and S. Chen, pp 461-472.

Aerodynamic performances of propellers with parametric considerations on the optimal design. S. D'Angelo, F. Berardi and E. Minisci, pp 313-320.

Aerodynamics of delta wings with flaps at hypersonic speeds. R. Ramesh, pp 293-312.

Autorotating rotor with ornithopter-like flapping blades. V. Savov and M. Raikov, pp 399-409.

Causes for discrepancies in ground effect analyses. T.J. Barber, E. Leonardi and D. Archer, pp 653-667.

Characterisation of wall flow topology in jet-in-crossflow interaction. E.Y. Kwon and D. Chocinski, pp 393-398.

Control of surface pressure fluctuations in reattaching flows by passive means. R. Kumar and P.R. Viswanath, pp 669-674.

Experimental investigation of trailing-edge devices at transonic speeds. K. Richter and H. Rosemann, pp 185-193.

Flow visualisation of the orthogonal blade-vortex interaction using particle image velocimetry. J.M. Early, R.B. Green and F.N. Coton, pp 137-145.

Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.

Maximising the impact of CFD in the design office: ARA's role. A.J. Peace, pp 675-685.

Measurements of leading-edge vortices on a 75° delta planform wing at M = 2·5. I.M. Milanovic and I.M. Kalkhoran, pp 39-49.

Mechanism of windward vortex shocks about supersonic slender bodies. S.A. Prince and N. Qin, pp 507-519.

Normal shock wave–turbulent boundary-layer interactions in the presence of streamwise slots and grooves. A.N. Smith, H. Babinsky, J.L. Fulker and P.R. Ashill, pp 493-500.

Numerical simulation of the vortex-fin interaction over a tangent-ogive cylinder. A.A. Omar, K. Chongman and R. Oh-Hyun, pp 175-184.

Optimising wing lift distribution to minimise wake vortex hazard. W.R. Graham, pp 413-426.

Prediction of drag and lift using velocity and vorticity fields. G. Zhu, P.W. Bearman and J.M.R. Graham, pp 547-554.

Technical note. Near field study of vortex attenuation using wing-tip blowing. R.G. Simpson, N.A. Ahmed and R.D. Archer, pp 117-120.

Technical note. The effect of a sequence of cavities on boundary-layer separation at M = 8·2. Z. He, J. Xiong, C. Lebas and J.L. Stollery, pp 51-55.

The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.

The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations. A.L. Gaitonde and D.P. Jones, pp 483-492.

Turbulence modelling and turbulent-flow computation in aeronautics. M.A. Leschziner and D. Drikakis, pp 349-384.

Unsteady aerodynamic calculations using three-dimensional Euler equations on unstructured dynamic grids. K.P. Sinhamahapatra, pp 269-276.

Utilising CFD in the investigation of high-speed unsteady spiked body flows. D. Feszty, K.J. Badcock and B.E. Richards, pp 161-174.

Wing aerodynamics and the science of compromise. *Errata*. J. Jupp, p 55.

AEROELASTICITY

Aeroelastic computations using algebraic grid motion. C.B. Allen, pp 559-570.

THE AERONAUTICAL JOURNAL

OF THE ROYAL AERONAUTICAL SOCIETY

Volume CVI

January-December 2002

Subject Index

ACOUSTICS

Active control of fan noise from high-bypass ratio aeroengines: experimental results. L. Enghardt, U. Tapken, W. Neise, P. Schimming, R. Maier and J. Zillmann, pp 501-506.

Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.

Hearing loss on the flight deck — origin and remedy. M. Bagshaw and M.C. Lower, pp 277-289.

AERODYNAMICS

A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice. M. Khalid, F. Zhang and S. Chen, pp 461-472.

Aerodynamic performances of propellers with parametric considerations on the optimal design. S. D'Angelo, F. Berardi and E. Minisci, pp 313-320.

Aerodynamics of delta wings with flaps at hypersonic speeds. R. Ramesh, pp 293-312.

Autorotating rotor with ornithopter-like flapping blades. V. Savov and M. Raikov, pp 399-409.

Causes for discrepancies in ground effect analyses. T.J. Barber, E. Leonardi and D. Archer, pp 653-667.

Characterisation of wall flow topology in jet-in-crossflow interaction. E.Y. Kwon and D. Chocinski, pp 393-398.

Control of surface pressure fluctuations in reattaching flows by passive means. R. Kumar and P.R. Viswanath, pp 669-674.

Experimental investigation of trailing-edge devices at transonic speeds. K. Richter and H. Rosemann, pp 185-193.

Flow visualisation of the orthogonal blade-vortex interaction using particle image velocimetry. J.M. Early, R.B. Green and F.N. Coton, pp 137-145.

Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.

Maximising the impact of CFD in the design office: ARA's role. A.J. Peace, pp 675-685.

Measurements of leading-edge vortices on a 75° delta planform wing at M = 2·5. I.M. Milanovic and I.M. Kalkhoran, pp 39-49.

Mechanism of windward vortex shocks about supersonic slender bodies. S.A. Prince and N. Qin, pp 507-519.

Normal shock wave–turbulent boundary-layer interactions in the presence of streamwise slots and grooves. A.N. Smith, H. Babinsky, J.L. Fulker and P.R. Ashill, pp 493-500.

Numerical simulation of the vortex-fin interaction over a tangent-ogive cylinder. A.A. Omar, K. Chongman and R. Oh-Hyun, pp 175-184.

Optimising wing lift distribution to minimise wake vortex hazard. W.R. Graham, pp 413-426.

Prediction of drag and lift using velocity and vorticity fields. G. Zhu, P.W. Bearman and J.M.R. Graham, pp 547-554.

Technical note. Near field study of vortex attenuation using wing-tip blowing. R.G. Simpson, N.A. Ahmed and R.D. Archer, pp 117-120.

Technical note. The effect of a sequence of cavities on boundary-layer separation at M = 8·2. Z. He, J. Xiong, C. Lebas and J.L. Stollery, pp 51-55.

The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.

The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations. A.L. Gaitonde and D.P. Jones, pp 483-492.

Turbulence modelling and turbulent-flow computation in aeronautics. M.A. Leschziner and D. Drikakis, pp 349-384.

Unsteady aerodynamic calculations using three-dimensional Euler equations on unstructured dynamic grids. K.P. Sinhamahapatra, pp 269-276.

Utilising CFD in the investigation of high-speed unsteady spiked body flows. D. Feszty, K.J. Badcock and B.E. Richards, pp 161-174.

Wing aerodynamics and the science of compromise. *Errata*. J. Jupp, p 55.

AEROELASTICITY

Aeroelastic computations using algebraic grid motion. C.B. Allen, pp 559-570.

Aeroelasticity of two-dimensional lifting surfaces via indicial function approach. P. Marzocca, L. Librescu and G. Chiocchia, pp 147-153.
Limit-cycle oscillation prediction for non-linear aeroelastic systems. A. Sedaghat, J.E. Cooper, J.R. Wright and A.Y.T. Leung, pp 27-32.
The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.
The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations. A.L. Gaitonde and D.P. Jones, pp 483-492.
Torsional/flexural response of large span wings to high altitude turbulence. P.B.S. Lissaman and L.W. Brownlow, pp 325-335.
Unsteady aerodynamic calculations using three-dimensional Euler equations on unstructured dynamic grids. K.P. Sinhamahapatra, pp 269-276.

AEROSPACE ENGINEERING

Velocity corrections in generalised Hohmann and bi-elliptic transfer orbits. O.M. Kamel and A.S. Soliman, pp 555-558.

AEROSPACE MEDICINE

Hearing loss on the flight deck — origin and remedy. M. Bagshaw and M.C. Lower, pp 277-289.
Human factors in multi-crew flight operations. H.W. Orlady and L.M. Orlady, pp 321-324.

AIRSHIPS

Linearised identification of the longitudinal flight dynamics of the solar powered airship Lotte. C.F. Eckersley and M.V. Cook, pp 571-581.

BODIES

Mechanism of windward vortex shocks about supersonic slender bodies. S.A. Prince and N. Qin, pp 507-519.
Numerical simulation of the vortex-fin interaction over a tangent-ogive cylinder. A.A. Omar, K. Chongman and R. Oh-Hyun, pp 175-184.
Utilising CFD in the investigation of high-speed unsteady spiked body flows. D. Feszty, K.J. Badcock and B.E. Richards, pp 161-174.

BOOK REVIEWS — BY AUTHOR

Ackroyd, J.A.D., Axcell, B.P. and Ruban, A.I. Early developments of modern aerodynamics, p 202.
Aliabadi, M.H. (Ed) Non-linear fracture and damage mechanisms, p 114.
Brooks, C.R. and Choudhury, A. Failure analysis of engineering materials, p 194.
Decolon, C. Analysis of composite structures, p 582.
Elishakoff, I. *et al* (Eds) Non-classical problems in the theory of elastic stability, p 626.
Fleeman, E.L. Tactical missile design, p 115.
Hayek, S.I. Advanced mathematical methods in science and engineering, p 291.
Henry, S.D. *et al* (Eds) ASM Handbook Volume 21 — Composites, p 582.
Jenkins, C.H.M. (Ed) Gossamer spacecraft: membrane and inflatable structures technology for space applications. Progress in astronautics and aeronautics series, Volume 191, p 194.
Kuz'min, A.G. Boundary value problems for transonic flow, p 627.
Launder, B. and Sandham, N. (Eds) Closure strategies for turbulent and transitional flows, p 626.
Lawson, T. Building aerodynamics, p 291.
Lloyd, R.M. Physics of direct hit and near miss warhead technology. Progress in astronautics and aeronautics series, Volume 194, p 202.
Lohner, R. Applied CFD techniques: an introduction based on finite element methods, p 458.
Long, M.W. Radar reflectivity of land and sea — Third Edition, p 146.
Moore, F.G. Approximate methods for weapon aerodynamics. Progress in astronautics and aeronautics series, Volume 186, p 50.
Niu, M.C.Y. Airframe stress analysis and sizing — Second Edition, p 50.
Rahman, M. and Mulolani, I. Applied vector analysis, p 291.
Saguat, P. Large eddy simulation for incompressible flows: an introduction, p 146.
Serrano, S.E. Engineering uncertainty and risk analysis: a balanced approach to probability, statistics, stochastic modelling, and stochastic differential equations, p 146.
Simmons, F.S. Rocket exhaust plume phenomenology, p 410.
Smetana, F.O. Flight vehicle performance and aerodynamic control, p 114.
Stinton, D. The design of the aeroplane — Second Edition, p 459.
Vakin, S.A. *et al* Fundamentals of electronic warfare, p 583.
Vlot, A. Glare: history of the development of a new aircraft material, p 154.
Wirth, W.-D. Radar techniques using array antennas, p 627.
Yang *et al* Solid propellant chemistry, combustion, and motor interior ballistics. Progress in astronautics and aeronautics series, Volume 185, p 410.
Yun, L. and Bliaut, A. Theory and design of air cushion craft, p 458.

BOOK REVIEWS — BY TITLE

Advanced mathematical methods in science and engineering. S.I. Hayek, p 291.
Airframe stress analysis and sizing — Second Edition. M.C.Y. Niu, p 50.
Analysis of composite structures. C. Decolon, p 582.
Applied CFD techniques: an introduction based on finite element methods. R. Lohner, p 458.
Applied vector analysis. M. Rahman and I. Mulolani, p 291.
Approximate methods for weapon aerodynamics. Progress in astronautics and aeronautics series, Volume 186. F.G. Moore, p 50.
ASM Handbook Volume 21 — Composites. S.D. Henry *et al* (Eds), p 582.
Boundary value problems for transonic flow. A.G. Kuz'min, p 627.
Building aerodynamics. T. Lawson, p 291.
Closure strategies for turbulent and transitional flows. B. Launder and N. Sandham (Eds), p 626.
Early developments of modern aerodynamics. J.A.D. Ackroyd, B.P. Axcell and A.I. Ruban, p 202.
Engineering uncertainty and risk analysis: a balanced approach to probability, statistics, stochastic modelling, and stochastic differential equations. S.E. Serrano, p 146.
Failure analysis of engineering materials. C.R. Brooks and A. Choudhury, p 194.
Flight vehicle performance and aerodynamic control. F.O. Smetana, p 114.
Fundamentals of electronic warfare. S.A. Vakin *et al*, p 583.
Glare: history of the development of a new aircraft material. A. Vlot, p 154.
Gossamer spacecraft: membrane and inflatable structures technology for space applications. Progress in astronautics and aeronautics series, Volume 191. C.H.M. Jenkins (Ed), p 194.
Large eddy simulation for incompressible flows: an introduction. P. Saguat, p 146.
Non-classical problems in the theory of elastic stability. I. Elishakoff *et al* (Eds), p 626.
Non-linear fracture and damage mechanisms. M.H. Aliabadi (Ed), p 114.
Physics of direct hit and near miss warhead technology. Progress in astronautics and aeronautics series, Volume 194. R.M. Lloyd, p 202.
Radar reflectivity of land and sea — Third Edition. M.W. Long, p 146.

Radar techniques using array antennas. W.-D. Wirth, p 627.
Rocket exhaust plume phenomenology. F.S. Simmons, p 410.
Solid propellant chemistry, combustion, and motor interior ballistics. Progress in astronautics and aeronautics series. Volume 185. Yang *et al*, p 410.
Tactical missile design. E.L. Fleeman, p 115.
The design of the aeroplane — Second Edition. D. Stinton, p 459.
Theory and design of air cushion craft. L. Yun and A. Bliaut, p 458.

COMPOSITES

The compressive buckling performance of anti-symmetric composite laminates and the effect on behaviour of membrane-flexural coupling. J. Loughlan, pp 595-605.

COMPUTATIONAL FLUID DYNAMICS

Maximising the impact of CFD in the design office: ARA's role. A.J. Peace, pp 675-685.
Mechanism of windward vortex shocks about supersonic slender bodies. S.A. Prince and N. Qin, pp 507-519.
Numerical modelling of mixing in jets from castellated nozzles. A.J. Saddington, K. Knowles and R.Y.T. Wong, pp 643-652.
Numerical prediction of transition boundary-layer flows using new intermittency transport equation. M.G. Higazy, pp 337-347.
Numerical simulation of the vortex-fin interaction over a tangent-ogive cylinder. A.A. Omar, K. Chongman and R. Oh-Hyun, pp 175-184.
Prediction of drag and lift using velocity and vorticity fields. G. Zhu, P.W. Bearman and J.M.R. Graham, pp 547-554.
Spectral/hp element technology for global flow instability and control. V. Theofilis, D. Barkley and S. Sherwin, pp 619-625.
The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations. A.L. Gaitonde and D.P. Jones, pp 483-492.
Turbulence modelling and turbulent-flow computation in aeronautics. M.A. Leschziner and D. Drikakis, pp 349-384.
Unsteady aerodynamic calculations using three-dimensional Euler equations on unstructured dynamic grids. K.P. Sinhamahapatra, pp 269-276.
Utilising CFD in the investigation of high-speed unsteady spiked body flows. D. Feszty, K.J. Badcock and B.E. Richards, pp 161-174.

COMPUTATIONAL TECHNIQUES (GENERAL)

Aeroelastic computations using algebraic grid motion. C.B. Allen, pp 559-570.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques. S.J. Blake, E.R. Galea, S. Gwynne, P.J. Lawrence and L. Fillippidis, pp 1-16.
Fuzzy logic approach for estimation of longitudinal aircraft parameters. M.S. Yaacob, H. Jamaluddin and K.C. Wong, pp 585-594.
Reliability enhancement methodology and modelling — the REMM project. J. Marshall, L. Walls and J. Jones, pp 195-201.
The compressive buckling performance of anti-symmetric composite laminates and the effect on behaviour of membrane-flexural coupling. J. Loughlan, pp 595-605.

DEFENCE

Integrated review of stealth technology and its role in airpower. G.A. Rao and S. P. Mahulikar, pp 629-641.
The NRL micro tactical expendable (MITE) air vehicle. J. Kellogg, C. Bovais, R. Foch, H. McFarlane, C. Sullivan, J. Dahlburg, J. Gardner and R. Ramamurti, pp 431-441.

DESIGN

Air travel — greener by design. J.L.Stollery, p 57.
Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.
The origins of greener by design. K. Mans and D. Marshall, p 57.
The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.

DYNAMICS

Advanced combat aircraft performance assessment. A. Kutschera and P.M. Render, pp 443-451.
Fuzzy logic approach for estimation of longitudinal aircraft parameters. M.S. Yaacob, H. Jamaluddin and K.C. Wong, pp 585-594.
Linearised identification of the longitudinal flight dynamics of the solar powered airship Lotte. C.F. Eckersley and M.V. Cook, pp 571-581.
Modelling of the hose and drogue in air-to-air refuelling. A.W. Bloy and M.M. Khan, pp 17-26.
The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.
Torsional/flexural response of large span wings to high altitude turbulence. P.B.S. Lissaman and L.W. Brownlow, pp 325-335.

ENVIRONMENTAL ENGINEERING

Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.
The impacts of aviation on the atmosphere. H.L. Rogers, D.S. Lee, D.W. Raper, P.M. de F. Foster, C.W. Wilson and P.J. Newton, pp 521-546.

FLUID MECHANICS

Characterisation of wall flow topology in jet-in-crossflow interaction. E.Y. Kwon and D. Chocinski, pp 393-398.
Control of surface pressure fluctuations in reattaching flows by passive means. R. Kumar and P.R. Viswanath, pp 669-674.
Numerical modelling of mixing in jets from castellated nozzles. A.J. Saddington, K. Knowles and R.Y.T. Wong, pp 643-652.
Numerical prediction of transition boundary-layer flows using new intermittency transport equation. M.G. Higazy, pp 337-347.
Spectral/hp element technology for global flow instability and control. V. Theofilis, D. Barkley and S. Sherwin, pp 619-625.

GUIDANCE AND NAVIGATION

Control techniques for autonomous launching of ship-based unmanned air vehicles (UAVs). M.R. Crump and C. Bil, pp 121-128.

HISTORY

The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.

HYPERSONIC FLOW

Aerodynamics of delta wings with flaps at hypersonic speeds. R. Ramesh, pp 293-312.
Technical note. The effect of a sequence of cavities on boundary-layer separation at M = 8·2. Z. He, J. Xiong, C. Lebas and J.L. Stollery, pp 51-55.
Utilising CFD in the investigation of high-speed unsteady spiked body flows. D. Feszty, K.J. Badcock and B.E. Richards, pp 161-174.

ICING

A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice. M. Khalid, F. Zhang and S. Chen, pp 461-472.

LIFTING SURFACES

A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice. M. Khalid, F. Zhang and S. Chen, pp 461-472.

Aerodynamics of delta wings with flaps at hypersonic speeds. R. Ramesh, pp 293-312.
Aeroelastic computations using algebraic grid motion. C.B. Allen, pp 559-570.
Aeroelasticity of two-dimensional lifting surfaces via indicial function approach. P. Marzocca, L. Librescu and G. Chiocchia, pp 147-153.
Causes for discrepancies in ground effect analyses. T.J. Barber, E. Leonardi and D. Archer, pp 653-667.
Experimental investigation of trailing-edge devices at transonic speeds. K. Richter and H. Rosemann, pp 185-193.
Measurements of leading-edge vortices on a 75° delta planform wing at M = 2·5. I.M. Milanovic and I.M. Kalkhoran, pp 39-49.
Optimising wing lift distribution to minimise wake vortex hazard. W.R. Graham, pp 413-426.
Prediction of drag and lift using velocity and vorticity fields. G. Zhu, P.W. Bearman and J.M.R. Graham, pp 547-554.
The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations. A.L. Gaitonde and D.P. Jones, pp 483-492.
Torsional/flexural response of large span wings to high altitude turbulence. P.B.S. Lissaman and L.W. Brownlow, pp 325-335.
Turbulence modelling and turbulent-flow computation in aeronautics. M.A. Leschziner and D. Drikakis, pp 349-384.
Unsteady aerodynamic calculations using three-dimensional Euler equations on unstructured dynamic grids. K.P. Sinhamahapatra, pp 269-276.
Wing aerodynamics and the science of compromise. *Errata*. J. Jupp, p 55.

MAN-POWERED FLIGHT
The human-powered helicopter. A. Filippone, pp 613-618.

MATERIALS
Micro-foamed structural materials for micro-aircraft. E. O'Keefe, M. Swan, R. Jones, V. Gergly and N. Cameron, pp 385-392.

METEOROLOGY
Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.
The impacts of aviation on the atmosphere. H.L. Rogers, D.S. Lee, D.W. Raper, P.M. de F. Foster, C.W. Wilson and P.J. Newton, pp 521-546.

PROPULSION
Active control of fan noise from high-bypass ratio aeroengines: experimental results. L. Enghardt, U. Tapken, W. Neise, P. Schimming, R. Maier and J. Zillmann, pp 501-506.
Aerodynamic performances of propellers with parametric considerations on the optimal design. S. D'Angelo, F. Berardi and E. Minisci, pp 313-320.
Greener by design — the technology challenge. J.E. Green, Chairman of the Technology Sub-Group, pp 57-113.
Integrated engine management: a new approach to health monitoring and control of gas turbine aero-engines. J.J. Gribble and G.J. Dadd, pp 203-209.
Letter. R. FitzPatrick, p 215.
Maximising the impact of CFD in the design office: ARA's role. A.J. Peace, pp 675-685.
Numerical modelling of mixing in jets from castellated nozzles. A.J. Saddington, K. Knowles and R.Y.T. Wong, pp 643-652.
The impacts of aviation on the atmosphere. H.L. Rogers, D.S. Lee, D.W. Raper, P.M. deF. Foster, C.W. Wilson and P.J. Newton, pp 521-548.
The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.

RELIABILITY
Reliability enhancement methodology and modelling — the REMM project. J. Marshall, L. Walls and J. Jones, pp 195-201.

REMOTELY PILOTED VEHICLES (RPVs)
Control techniques for autonomous launching of ship-based unmanned air vehicles (UAVs). M.R. Crump and C. Bil, pp 121-128.

SAFETY
A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice. M. Khalid, F. Zhang and S. Chen, pp 461-472.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques. S.J. Blake, E.R. Galea, S. Gwynne, P.J. Lawrence and L. Fillippidis, pp 1-16.
Future air traffic management — passing the key tests. P. Brooker, pp 211-215.
Human factors in multi-crew flight operations. H.W. Orlady and L.M. Orlady, pp 321-324.
The case for flight simulation in general aviation. D.J. Allerton, pp 607-612.
The perceived gap between need(ed) and mandated training "mind the gap". P.G. Richards, pp 427-430.

SHOCK WAVES
Mechanism of windward vortex shocks about supersonic slender bodies. S.A. Prince and N. Qin, pp 507-519.
Normal shock wave–turbulent boundary-layer interactions in the presence of streamwise slots and grooves. A.N. Smith, H. Babinsky, J.L. Fulker and P.R. Ashill, pp 493-500.

SIMULATION
Aircrew mission training via distributed simulation — the potential in NATO. B. Tomlinson, pp 155-159.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques. S.J. Blake, E.R. Galea, S. Gwynne, P.J. Lawrence and L. Fillippidis, pp 1-16.
Modelling of the hose and drogue in air-to-air refuelling. A.W. Bloy and M.M. Khan, pp 17-26.
Simulation and collective training — creating a total experience. E. Smith and H.M. McIntyre, pp 129-136.
The case for flight simulation in general aviation. D.J. Allerton, pp 607-612.

STRENGTH ANALYSIS
The compressive buckling performance of anti-symmetric composite laminates and the effect on behaviour of membrane-flexural coupling. J. Loughlan, pp 595-605.
The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s). J.A.D. Ackroyd, pp 217-268.

TESTING FACILITIES AND TECHNIQUES
Effect of tracer particle characteristics on visualisation of delta wing vortices. D.I. Greenwell, pp 473-482.
Fuzzy logic approach for estimation of longitudinal aircraft parameters. M.S. Yaacob, H. Jamaluddin and K.C. Wong, pp 585-594.
Integrated engine management: a new approach to health monitoring and control of gas turbine aero-engines. J.J. Gribble and G.J. Dadd, pp 203-209.
Surface thermometry by laser-induced fluorescence of Dy^{3+}:YAG. K. Kontis, Y. Syogenji and N. Yoshikawa, pp 453-457.

TRAINING
Aircrew mission training via distributed simulation — the potential in NATO. B. Tomlinson, pp 155-159.

Simulation and collective training — creating a total experience. E. Smith and H.M. McIntyre, pp 129-136.
The case for flight simulation in general aviation. D.J. Allerton, pp 607-612.
The perceived gap between need(ed) and mandated training "mind the gap". P.G. Richards, pp 427-430.

TRIBUTE
Dawn Steele, p 336.

UNSTEADY AERODYNAMICS
Control of surface pressure fluctuations in reattaching flows by passive means. R. Kumar and P.R. Viswanath, pp 669-674.
Spectral/hp element technology for global flow instability and control. V. Theofilis, D. Barkley and S. Sherwin, pp 619-625.
The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations. A.L. Gaitonde and D.P. Jones, pp 483-492.
Turbulence modelling and turbulent-flow computation in aeronautics. M.A. Leschziner and D. Drikakis, pp 349-384.
Unsteady aerodynamic calculations using three-dimensional Euler equations on unstructured dynamic grids. K.P. Sinhamahapatra, pp 269-276.
Utilising CFD in the investigation of high-speed unsteady spiked body flows. D. Feszty, K.J. Badcock and B.E. Richards, pp 161-174.

V/STOL
Autorotating rotor with ornithopter-like flapping blades. V. Savov and M. Raikov, pp 399-409.
Flow visualisation of the orthogonal blade-vortex interaction using particle image velocimetry. J.M. Early, R.B. Green and F.N. Coton, pp 137-145.
The human-powered helicopter. A. Filippone, pp 613-618.
Tiltrotor development to meet public acceptability targets. R.R. Reber, pp 33-38.

WAKES
Technical note. Near field study of vortex attenuation using wing-tip blowing. R.G. Simpson, N.A. Ahmed and R.D. Archer, pp 117-120.
Optimising wing lift distribution to minimise wake vortex hazard. W.R. Graham, pp 413-426.

Author Index

ACKROYD, J.A.D.
The United Kingdom's contributions to the development of aeronautics. Part 3. The development of the streamlined monoplane (the 1920s-1940s), pp 217-268.

AHMED, N.A., SIMPSON, R.G. and ARCHER, R.D.
Technical note. Near field study of vortex attenuation using wing-tip blowing, pp 117-120.

ALLEN, C.B.
Aeroelastic computations using algebraic grid motion, pp 559-570.

ALLERTON, D.J.
The case for flight simulation in general aviation, pp 607-612.

ARCHER, D., BARBER, T.J. and LEONARDI , E.
Causes for discrepancies in ground effect analyses, pp 653-667.

ARCHER, R.D., SIMPSON, R.G. and AHMED, N.A.
Technical note. Near field study of vortex attenuation using wing-tip blowing, pp 117-120.

ASHILL, P.R., SMITH, A.N., BABINSKY, H. and FULKER, J.L.
Normal shock wave–turbulent boundary-layer interactions in the presence of streamwise slots and grooves, pp 493-500.

BABINSKY, H., SMITH, A.N., FULKER, J.L. and ASHILL, P.R.
Normal shock wave–turbulent boundary-layer interactions in the presence of streamwise slots and grooves, pp 493-500.

BADCOCK, K.J., FESZTY, D. and RICHARDS, B.E.
Utilising CFD in the investigation of high-speed unsteady spiked body flows, pp 161-174.

BAGSHAW, M. and LOWER, M.C.
Hearing loss on the flight deck — origin and remedy, pp 277-289.

BARBER, T.J., LEONARDI, E. and ARCHER, D.
Causes for discrepancies in ground effect analyses, pp 653-667.

BARKLEY, D., THEOFILIS, V. and SHERWIN, S.
Spectral/hp element technology for global flow instability and control, pp 619-625.

BEARMAN, P.W., ZHU, G. and GRAHAM, J.M.R.
Prediction of drag and lift using velocity and vorticity fields, pp 547-554.

BERARDI, F., D'ANGELO, S. and MINISCI, E.
Aerodynamic performances of propellers with parametric considerations on the optimal design, pp 313-320.

BIL, C. and CRUMP, M.R.
Control techniques for autonomous launching of ship-based unmanned air vehicles (UAVs), pp 121-128.

BLAKE, S.J., GALEA, E.R., GWYNNE, S., LAWRENCE, P.J. and FILLIPIDIS, L.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques, pp 1-16.

BLOY, A.W. and KHAN, M.M.
Modelling of the hose and drogue in air-to-air refuelling, pp 17-26.

BOVAIS, C., KELLOGG, J., FOCH, R., McFARLANE, H., SULLIVAN, C., DAHLBURG, J., GARDNER, J. and RAMAMURTI, R.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

BROOKER, P.
Future air traffic management — passing the key tests, pp 211-215.

BROWNLOW, L.W. and LISSAMAN, P.B.S.
Torsional/flexural response of large span wings to high altitude turbulence, pp 325-335.

CAMERON, N., O'KEEFE, E., SWAN, M., JONES, R. and GERGLY, V.
Micro-foamed structural materials for micro-aircraft, pp 385-392.

CHEN, S., KHALID, M. and ZHANG, F.
A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice, pp 461-472.

CHIOCCHIA, G., MARZOCCA, P. and LIBRESCU, L.
Aeroelasticity of two-dimensional lifting surfaces via indicial function approach, pp 147-153.

CHOCINSKI, D. and KWON, E.Y.
Characterisation of wall flow topology in jet-in-crossflow interaction, pp 393-398.

CHONGMAN, K., OMAR, A.A. and OH-HYUN, R.
Numerical simulation of the vortex-fin interaction over a tangent-ogive cylinder, pp 175-184.

COOK, M.V. and ECKERSLEY, C.F.
Linearised identification of the longitudinal flight dynamics of the solar powered airship Lotte, pp 571-581.

COOPER, J.E., SEDAGHAT, A., WRIGHT, J.R. and LEUNG, A.Y.T.
Limit-cycle oscillation prediction for non-linear aeroelastic systems, pp 27-32.

COTON, F.N., EARLY, J.M. and GREEN, R.B.
Flow visualisation of the orthogonal blade-vortex interaction using particle image velocimetry, pp 137-145.

CRUMP, M.R. and BIL, C.
Control techniques for autonomous launching of ship-based unmanned air vehicles (UAVs), pp 121-128.

DADD, G.J. and GRIBBLE, J.J.
Integrated engine management: a new approach to health monitoring and control of gas turbine aero-engines, pp 203-209.

DAHLBURG, J., KELLOGG, J., BOVAIS, C., FOCH, R., McFARLANE, H., SULLIVAN, C., GARDNER, J. and RAMAMURTI, R.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

D'ANGELO, S., BERARDI, F. and MINISCI, E.
Aerodynamic performances of propellers with parametric considerations on the optimal design, pp 313-320.

DRIKAKIS, D. and LESCHZINER, M.A.
Turbulence modelling and turbulent-flow computation in aeronautics, pp 349-384.

EARLY, J.M., GREEN, R.B. and COTON, F.N.
Flow visualisation of the orthogonal blade-vortex interaction using particle image velocimetry, pp 137-145.

ECKERSLEY, C.F. and COOK, M.V.
Linearised identification of the longitudinal flight dynamics of the solar powered airship Lotte, pp 571-581.

ENGHARDT, L., TAPKEN, U., NEISE, W., SCHIMMING, P., MAIER, R. and ZILLMANN, J.
Active control of fan noise from high-bypass ratio aeroengines: experimental results, pp 501-506.

FESZTY, D., BADCOCK, K.J. and RICHARDS, B.E.
Utilising CFD in the investigation of high-speed unsteady spiked body flows, pp 161-174.

FILIPPONE, A.
The human-powered helicopter, pp 613-618.

FILLIPIDIS, L., BLAKE, S.J., GALEA, E.R., GWYNNE, S. and LAWRENCE, P.J.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques, pp 1-16.

FITZPATRICK, R.
Letter, p 215.

FOCH, R., KELLOGG, J., BOVAIS, C., McFARLANE, H., SULLIVAN, C., DAHLBURG, J., GARDNER, J. and RAMAMURTI, R.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

FOSTER, P.M. de F., ROGERS, H.L., LEE, D.S., RAPER, D.W., WILSON, C.W. and NEWTON, P.J.
The impacts of aviation on the atmosphere, pp 521-546.

FULKER, J.L., SMITH, A.N., BABINSKY, H. and ASHILL, P.R.
Normal shock wave–turbulent boundary-layer interactions in the presence of streamwise slots and grooves, pp 493-500.

GAITONDE, A.L. and JONES, D.P.
The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations, pp 483-492.

GALEA, E.R., BLAKE, S.J., GWYNNE, S., LAWRENCE, P.J. and FILLIPIDIS, L.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques, pp 1-16.

GARDNER, J., KELLOGG, J., BOVAIS, C., FOCH, R., McFARLANE, H., SULLIVAN, C., DAHLBURG, J. and RAMAMURTI, R.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

GERGLY, V., O'KEEFE, E., SWAN, M., JONES, R. and CAMERON, N.
Micro-foamed structural materials for micro-aircraft, pp 385-392.

GRAHAM, J.M.R., ZHU, G. and BEARMAN, P.W.
Prediction of drag and lift using velocity and vorticity fields, pp 547-554.

GRAHAM, W.R.
Optimising wing lift distribution to minimise wake vortex hazard, pp 413-426.

GREEN, J.E. (Chairman of the Technology Sub-Group)
Greener by design — the technology challenge, pp 57-113.

GREEN, R.B., EARLY, J.M. and COTON, F.N.
Flow visualisation of the orthogonal blade-vortex interaction using particle image velocimetry, pp 137-145.

GREENWELL, D.I.
Effect of tracer particle characteristics on visualisation of delta wing vortices, pp 473-482.

GRIBBLE, J.J. and DADD, G.J.
Integrated engine management: a new approach to health monitoring and control of gas turbine aero-engines, pp 203-209.

GWYNNE, S., BLAKE, S.J., GALEA, E.R., LAWRENCE, P.J. and FILLIPIDIS, L.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques, pp 1-16.

HE, Z., XIONG, J., LEBAS, C. and STOLLERY, J.L.
Technical note. The effect of a sequence of cavities on boundary-layer separation at M = 8·2, pp 51-55.

HIGAZY, M.G.
Numerical prediction of transition boundary-layer flows using new intermittency transport equation, pp 337-347.

JAMALUDDIN, H., YAACOB, M.S. and WONG, K.C.
Fuzzy logic approach for estimation of longitudinal aircraft parameters, pp 585-594.

JONES, D.P. and GAITONDE, A.L.
The use of pulse responses and system reduction for 2D unsteady flows using the Euler equations, pp 483-492.

JONES, J., MARSHALL, J. and WALLS, L.
Reliability enhancement methodology and modelling — the REMM project, pp 195-201.

JONES, R., O'KEEFE, E., SWAN, M., GERGLY, V. and CAMERON, N.
Micro-foamed structural materials for micro-aircraft, pp 385-392.

JUPP, J.
Wing aerodynamics and the science of compromise. *Errata*, p 55.

KALKHORAN, I.M. and MILANOVIC, I.M.
Measurements of leading-edge vortices on a 75° delta planform wing at M = 2·5, pp 39-49.

KAMEL, O.M. and SOLIMAN, A.S.
Velocity corrections in generalised Hohmann and bi-elliptic transfer orbits, pp 555-558.

KELLOGG, J., BOVAIS, C., FOCH, R., McFARLANE, H., SULLIVAN, C., DAHLBURG, J., GARDNER, J. and RAMAMURTI, R.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

KHALID, M., ZHANG, F. and CHEN, S.
A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice, pp 461-472.

KHAN, M.M. and BLOY, A.W.
Modelling of the hose and drogue in air-to-air refuelling, pp 17-26.

KNOWLES, K., SADDINGTON, A.J. and WONG, R.Y.T.
Numerical modelling of mixing in jets from castellated nozzles, pp 643-652.

KONTIS, K., SYOGENJI, Y. and YOSHIKAWA, N.
Surface thermometry by laser-induced fluorescence of Dy^{3+}:YAG, pp 453-457.

KUMAR, R. and VISWANATH, P.R.
Control of surface pressure fluctuations in reattaching flows by passive means, pp 669-674.

KUTSCHERA, A. and RENDER, P.M.
Advanced combat aircraft performance assessment, pp 443-451.

KWON, E.Y. and CHOCINSKI, D.
Characterisation of wall flow topology in jet-in-crossflow interaction, pp 393-398.

LAWRENCE, P.J., BLAKE, S.J., GALEA, E.R., GWYNNE, S. and FILLIPIDIS, L.
Examining the effect of exit separation on aircraft evacuation performance during 90-second certification trials using evacuation modelling techniques, pp 1-16.

LEBAS, C., HE, Z., XIONG, J. and STOLLERY, J.L.
Technical note. The effect of a sequence of cavities on boundary-layer separation at M = 8·2, pp 51-55.

LEE, D.S., ROGERS, H.L., RAPER, D.W., FOSTER, P.M. de F., WILSON, C.W. and NEWTON, P.J.
The impacts of aviation on the atmosphere, pp 521-546.

LEONARDI, E., BARBER, T.J. and ARCHER, D.
Causes for discrepancies in ground effect analyses, pp 653-667.

LESCHZINER, M.A. and DRIKAKIS, D.
Turbulence modelling and turbulent-flow computation in aeronautics, pp 349-384.

LEUNG, A.Y.T., SEDAGHAT, A., COOPER, J.E. and WRIGHT, J.R.
Limit-cycle oscillation prediction for non-linear aeroelastic systems, pp 27-32.

LIBRESCU, L., MARZOCCA, P. and CHIOCCHIA, G.
Aeroelasticity of two-dimensional lifting surfaces via indicial function approach, pp 147-153.

LISSAMAN, P.B.S. and BROWNLOW, L.W.
Torsional/flexural response of large span wings to high altitude turbulence, pp 325-335.

LOUGHLAN, J.
The compressive buckling performance of anti-symmetric composite laminates and the effect on behaviour of membrane-flexural coupling, pp 595-605.

LOWER, M.C. and BAGSHAW, M.
Hearing loss on the flight deck — origin and remedy, pp 277-289.

McFARLANE, H., KELLOGG, J., BOVAIS, C., FOCH, R., SULLIVAN, C., DAHLBURG, J., GARDNER, J. and RAMAMURTI, R.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

McINTYRE, H.M. and SMITH, E.
Simulation and collective training — creating a total experience, pp 129-136.

MAHULIKAR, S. P. and RAO, G.A.
Integrated review of stealth technology and its role in airpower, pp 629-641.

MAIER, R., ENGHARDT, L., TAPKEN, U., NEISE, W., SCHIMMING, P. and ZILLMANN, J.
Active control of fan noise from high-bypass ratio aeroengines: experimental results, pp 501-506.

MANS, K. and MARSHALL, D.
The origins of greener by design, p 57.

MARSHALL, D. and MANS, K.
The origins of greener by design, p 57.

MARSHALL, J., WALLS, L. and JONES, J.
Reliability enhancement methodology and modelling — the REMM project, pp 195-201.

MARZOCCA, P., LIBRESCU, L. and CHIOCCHIA, G.
Aeroelasticity of two-dimensional lifting surfaces via indicial function approach, pp 147-153.

MILANOVIC, I.M. and KALKHORAN, I.M.
Measurements of leading-edge vortices on a 75° delta planform wing at M = 2·5, pp 39-49.

MINISCI, E., D'ANGELO, S. and BERARDI, F.
Aerodynamic performances of propellers with parametric considerations on the optimal design, pp 313-320.

NEISE, W., ENGHARDT, L., TAPKEN, U., SCHIMMING, P., MAIER, R. and ZILLMANN, J.
Active control of fan noise from high-bypass ratio aeroengines: experimental results, pp 501-506.

NEWTON, P.J., ROGERS, H.L., LEE, D.S., RAPER, D.W., FOSTER, P.M. de F. and WILSON, C.W.
The impacts of aviation on the atmosphere, pp 521-546.

OH-HYUN, R., OMAR, A.A. and CHONGMAN, K.
Numerical simulation of the vortex-fin interaction over a tangent-ogive cylinder, pp 175-184.

O'KEEFE, E., SWAN, M., JONES, R., GERGLY, V. and CAMERON, N.
Micro-foamed structural materials for micro-aircraft, pp 385-392.

OMAR, A.A., CHONGMAN, K. and OH-HYUN, R.
Numerical simulation of the vortex-fin interaction over a tangent-ogive cylinder, pp 175-184.

ORLADY, H.W. and ORLADY, L.M.
Human factors in multi-crew flight operations, pp 321-324.

ORLADY, L.M. and ORLADY, H.W.
Human factors in multi-crew flight operations, pp 321-324.

PEACE, A.J.
Maximising the impact of CFD in the design office: ARA's role., pp 675-685.

PRINCE, S.A. and QIN, N.
Mechanism of windward vortex shocks about supersonic slender bodies, pp 507-519.

QIN, N. and PRINCE, S.A.
Mechanism of windward vortex shocks about supersonic slender bodies, pp 507-519.

RAIKOV, M. and SAVOV, V.
Autorotating rotor with ornithopter-like flapping blades, pp 399-409.

RAMAMURTI, R., KELLOGG, J., BOVAIS, C., FOCH, R., McFARLANE, H., SULLIVAN, C., DAHLBURG, J. and GARDNER, J.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

RAMESH, R.
Aerodynamics of delta wings with flaps at hypersonic speeds, pp 293-312.

RAO, G.A. and MAHULIKAR, S.P.
Integrated review of stealth technology and its role in airpower, pp 629-641.

RAPER, D.W., ROGERS, H.L., LEE, D.S., FOSTER, P.M. de F., WILSON, C.W. and NEWTON, P.J.
The impacts of aviation on the atmosphere, pp 521-546.

REBER, R.R.
Tiltrotor development to meet public acceptability targets, pp 33-38.

RENDER, P.M. and KUTSCHERA, A.
Advanced combat aircraft performance assessment, pp 443-451.

RICHARDS, B.E., FESZTY, D. and BADCOCK, K.J.
Utilising CFD in the investigation of high-speed unsteady spiked body flows, pp 161-174.

RICHARDS, P.G.
The perceived gap between need(ed) and mandated training "mind the gap", pp 427-430.

RICHTER, K. and ROSEMANN, H.
Experimental investigation of trailing-edge devices at transonic speeds, pp 185-193.

ROGERS, H.L., LEE, D.S., RAPER, D.W., FOSTER, P.M. de F., WILSON, C.W. and NEWTON, P.J.
The impacts of aviation on the atmosphere, pp 521-546.

ROSEMANN, H. and RICHTER, K.
Experimental investigation of trailing-edge devices at transonic speeds, pp 185-193.

SADDINGTON, A.J., KNOWLES, K. and WONG, R.Y.T.
Numerical modelling of mixing in jets from castellated nozzles, pp 643-652.

SAVOV, V. and RAIKOV, M.
Autorotating rotor with ornithopter-like flapping blades, pp 399-409.

SCHIMMING, P., ENGHARDT, L., TAPKEN, U., NEISE, W., MAIER, R. and ZILLMANN, J.
Active control of fan noise from high-bypass ratio aeroengines: experimental results, pp 501-506.

SEDAGHAT, A., COOPER, J.E., WRIGHT, J.R. and LEUNG, A.Y.T.
Limit-cycle oscillation prediction for non-linear aeroelastic systems, pp 27-32.

SHERWIN, S., THEOFILIS, V. and BARKLEY, D.
Spectral/hp element technology for global flow instability and control, pp 619-625.

SIMPSON, R.G., AHMED, N.A. and ARCHER, R.D.
Technical note. Near field study of vortex attenuation using wing-tip blowing, pp 117-120.

SINHAMAHAPATRA, K.P.
Unsteady aerodynamic calculations using three-dimensional Euler equations on unstructured dynamic grids, pp 269-276.

SMITH, A.N., BABINSKY, H., FULKER, J.L. and ASHILL, P.R.
Normal shock wave–turbulent boundary-layer interactions in the presence of streamwise slots and grooves, pp 493-500.

SMITH, E. and McINTYRE, H.M.
Simulation and collective training — creating a total experience, pp 129-136.

SOLIMAN, A.S. and KAMEL, O.M.
Velocity corrections in generalised Hohmann and bi-elliptic transfer orbits, pp 555-558.

STOLLERY, J.L.
Air travel — greener by design, p 57.

STOLLERY, J.L., HE, Z., XIONG, J. and LEBAS, C.
Technical note. The effect of a sequence of cavities on boundary-layer separation at M = 8·2, pp 51-55.

SULLIVAN, C., KELLOGG, J., BOVAIS, C., FOCH, R., McFARLANE, H., DAHLBURG, J., GARDNER, J. and RAMAMURTI, R.
The NRL micro tactical expendable (MITE) air vehicle, pp 431-441.

SWAN, M., O'KEEFE, E., JONES, R., GERGLY, V. and CAMERON, N.
Micro-foamed structural materials for micro-aircraft, pp 385-392.

SYOGENJI, Y., KONTIS, K. and YOSHIKAWA, N.
Surface thermometry by laser-induced fluorescence of Dy^{3+}:YAG, pp 453-457.

TAPKEN, U., ENGHARDT, L., NEISE, W., SCHIMMING, P., MAIER, R. and ZILLMANN, J.
Active control of fan noise from high-bypass ratio aeroengines: experimental results, pp 501-506.

THEOFILIS, V., BARKLEY, D. and SHERWIN, S.
Spectral/hp element technology for global flow instability and control, pp 619-625.

TOMLINSON, B.
Aircrew mission training via distributed simulation — the potential in NATO, pp 155-159.

VISWANATH, P.R. and KUMAR, R.
Control of surface pressure fluctuations in reattaching flows by passive means, pp 669-674.

WALLS, L., MARSHALL, J. and JONES, J.
Reliability enhancement methodology and modelling — the REMM project, pp 195-201.

WILSON, C.W., ROGERS, H.L., LEE, D.S., RAPER, D.W., FOSTER, P.M. de F. and NEWTON, P.J.
The impacts of aviation on the atmosphere, pp 521-546.

WONG, K.C., YAACOB, M.S. and JAMALUDDIN, H.
Fuzzy logic approach for estimation of longitudinal aircraft parameters, pp 585-594.

WONG, R.Y.T., SADDINGTON, A.J. and KNOWLES, K.
Numerical modelling of mixing in jets from castellated nozzles, pp 643-652.

WRIGHT, J.R., SEDAGHAT, A., COOPER, J.E. and LEUNG, A.Y.T.
Limit-cycle oscillation prediction for non-linear aeroelastic systems, pp 27-32.

XIONG, J., HE, Z., LEBAS, C. and STOLLERY, J.L.
Technical note. The effect of a sequence of cavities on boundary-layer separation at M = 8·2, pp 51-55.

YAACOB, M.S., JAMALUDDIN, H. and WONG, K.C.
Fuzzy logic approach for estimation of longitudinal aircraft parameters, pp 585-594.

YOSHIKAWA, N., KONTIS, K. and SYOGENJI, Y.
Surface thermometry by laser-induced fluorescence of Dy^{3+}:YAG, pp 453-457.

ZHANG, F., KHALID, M. and CHEN, S.
A study of aerodynamic performance degradation on aerofoils and aircraft wings due to accreted ice, pp 461-472.

ZHU, G., BEARMAN, P.W. and GRAHAM, J.M.R.
Prediction of drag and lift using velocity and vorticity fields, pp 547-554.

ZILLMANN, J., ENGHARDT, L., TAPKEN, U., NEISE, W., SCHIMMING, P. and MAIER, R.
Active control of fan noise from high-bypass ratio aeroengines: experimental results, pp 501-506.

Volume CVI

Number 1055	January	pp 1-55
Number 1056	February	pp 57-115
Number 1057	March	pp 117-159
Number 1058	April	pp 161-215
Number 1059	May	pp 217-291
Number 1060	June	pp 293-347
Number 1061	July	pp 349-411
Number 1062	August	pp 413-459
Number 1063	September	pp 461-519
Number 1064	October	pp 521-583
Number 1065	November	pp 585-627
Number 1066	December	pp 629-695